

AVON, OH 44011  
TELEPHONE: (440) 937-7000

## MATERIAL SAFETY DATA SHEET

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DURO FIXTURE ADH FA-1  
01-80218

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DURO FIXTURE ADH FA-1  
Item No.: 01-80218  
Part No.: FA-1  
Product Type: Adhesive

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Water	7732-18-5	Unknown
Synthetic Rubber	Proprietary	Unknown
2-BUTOXYETHANOL*	111-76-2	1-5
ETHYL ALCOHOL	64-17-5	1-5
TOLUENE*	108-88-3	1-5

\* This component is listed as a SARA Section 313 Toxic Chemical.

## Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
2-BUTOXYETHANOL	25 ppm TWA skin 121mg/m3 skin	50 ppm TWA skin 120mg/m3 skin	None
ETHYL ALCOHOL	1000 ppm TWA 1880 mg/m3	1000 ppm TWA 1900 mg/m3	None
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None

  

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
TOLUENE	None	150 ppm 560mg/M3

## 3. HAZARDS IDENTIFICATION

Toxicity: May slightly irritate eyes, skin, and respiratory.  
tract upon prolonged or repeated exposure.  
May cause slight gastrointestinal irritation.

Primary Routes of Entry: Inhalation, skin contact, ingestion.

Signs and Symptoms  
of Exposure: EYES: Prolonged or repeated exposure to liquid or  
vapor may causes mild eye irritation, Symptoms may  
include tearing, redness, and stinging.  
SKIN: Prolonged or repeated exposure may cause

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## 3. HAZARDS IDENTIFICATION

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mild skin irritation.

BREATHING: Prolonged or repeated exposure may cause slight irritation due to small amounts of solvents.

SWALLOWING: Exposure may cause slight gastrointestinal irritation (nausea, vomiting, diarrhea).

## Existing Conditions

Aggravated by Exposure: Toluene: Eye, liver, skin, respiratory and central nervous system diseases; alcoholism. These or other components may also aggravate pre-existing disorders of these organs: liver, kidney, nervous system, lung, nose, testis, eyes.

Ingredients	Literature Referenced	Carcinogen		
	Target Organ and Other Health Effects	NTP	IARC	OSHA
Water	NTO	NO	NO	NO
Synthetic Rubber	No Data	NO	NO	NO
2-BUTOXYETHANOL	BLO CNS IRR KID	NO	NO	NO
ETHYL ALCOHOL	CNS IRR	NO	N/A	NO
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO

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## Abbreviations

N/A Not Applicable	BEH Behavioral
BLO Blood	CAR Cardiac
CNS Central nervous system	DEV Developmental
EAR Ear	IRR Irritant
KID Kidney	NTO No Target Organs

## 4. FIRST AID MEASURES

Ingestion: Immediately drink two glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention. Keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Skin Contact: Remove contaminated clothing. Flush exposed area with large amounts of water. Wash exposed area with soap and water. Launder clothing before

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## 4. FIRST AID MEASURES

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reuse.  
Eye Contact: If symptoms develop, move individual away from exposure and into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

Flash Point: Does not apply  
Recommended  
Extinguishing Agents: Water, carbon dioxide, dry chemical  
Special Firefighting  
Procedures: Not available  
Hazardous Products formed  
by Fire or Thermal Decomp Irritating organic vapors, oxides of carbon, hydrocarbons.  
Unusual Fire or  
Explosion Hazards: Material may splatter if heated above the boiling point. If water is evaporated and the solid material is then ignited, the usual combustion products of rubber (carbon monoxide, carbon dioxide, and smoke) are generated.  
Explosive Limits:  
(% by volume in air) Lower Not available  
(% by volume in air) Upper Not available

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case  
of spill or leak: Small spill: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material.  
Large spill: Stop spill at source; dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred

## 7. HANDLING AND STORAGE

Safe Storage: Store at ambient temperatures at atmospheric pressure.  
Protect material from freezing. Protect material from direct sunlight. Empty containers may retain hazardous properties. Follow all MSDS/label

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## 7. HANDLING AND STORAGE

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warnings even after container is emptied.  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Keep inhalation and skin exposure to a minimum.  
Wash before eating, smoking, or using the rest room.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. Consult your safety representative for specific recommendations.  
Skin: Wear resistant gloves. Consult your safety representative for specific recommendations. To prevent prolonged or repeated skin contact, wear impervious clothing and boots. Consult your safety representative for specific recommendations.  
Ventilation: Local and general mechanical exhaust ventilation should be used.  
Respiratory: A NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control.

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light tan liquid.  
Odor: Mild  
Boiling Point: 212°F  
pH: Not available  
Solubility in Water: Infinite  
Specific Gravity: 1.27  
Volatile Organic Compound  
(EPA Method 24) 34.1%; 4.33 grams per liter  
Vapor Pressure: 22mm Hg  
Vapor Density: 23 grams per cubic meter  
Evaporation Rate  
(Ether = 1) Same as water

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: None  
Conditions to Avoid: Not available

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## 10. STABILITY AND REACTIVITY

(continued)

## Hazardous Decomposition

Products (non-thermal): None

## 11. TOXICOLOGICAL INFORMATION

This product contains ethanol. IARC (International Agency for Research on Cancer) has determined that exposure to ethanol through chronic human consumption of alcoholic beverages can cause cancer. Alcoholic beverage consumption has also been associated with birth defects, brain damage, heart damage, and pancreatitis in humans. The relevance of these findings to ethanol in industrial environments is uncertain.

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

## Recommended methods of

disposal: Incinerate following EPA and local regulations.

## EPA Hazardous Waste

Number Not hazardous

## 14. TRANSPORTATION INFORMATION

## DOT (49 CFR 172)

## Domestic Ground Transport

Proper Shipping Name: Unrestricted

## Hazard Class or

Division: Unrestricted

Identification Number: None

Marine Pollutant: None

## IATA

Proper Shipping Name: Unrestricted

Class or Division: Unrestricted

UN or ID Number: None

## 15. REGULATORY INFORMATION

## CA Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.  
Toluene

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## 16. OTHER INFORMATION

## Estimated NFPA(R) Code:

Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0  
Specific Hazard: Does not apply

## Estimated HMIS(R) Code:

Health Hazard: 1\*  
Flammability Hazard: 0  
Reactivity Hazards: 0  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

## Prepared by:

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